

## CLAIMS

1. A conjugated compound comprising:  
a) a ST receptor binding moiety; and,  
b) an active moiety;  
5 wherein said active moiety is a radiostable active agent.
2. The compound of claim 1 wherein said ST receptor binding moiety is a peptide.
3. The compound of claim 1 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID  
10 NO:2, SEQ ID NO:3, SEQ ID NOS:5-54 and fragments and derivatives thereof.
4. The compound of claim 1 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54.
- 15 5. The compound of claim 1 wherein said an active moiety is a therapeutic agent.
6. The compound of claim 1 wherein said an active moiety is selected from the group consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabioside, etoposide, 5-4  
20 fluorouracil, melphalan, chlorambucil, cis-platinum, vindesine, mitomycin, bleomycin, purothionin, macromomycin, 1,4-benzoquinone derivatives, trenimon, ricin, ricin A chain, *Pseudomonas* exotoxin, diphtheria toxin, *Clostridium perfringens* phospholipase C, bovine pancreatic ribonuclease, pokeweed  
25 antiviral protein, abrin, abrin A chain, cobra venom factor, gelonin, saporin, modeccin, viscumin, volkensin, alkaline phosphatase, nitroimidazole, metronidazole and misonidazole.
7. The compound of claim 1 wherein:

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a) said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NOS:5-54 and fragments and derivatives thereof;

b) said an active moiety is selected from the group  
5 consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabioside, etoposide, 5-4 fluorouracil, melphalan, chlorambucil, cis-platinum, vindesine, mitomycin, bleomycin, purothionin, macromomycin, 1,4-benzoquinone derivatives, trenimon, ricin, ricin A chain, *Pseudomonas* exotoxin,  
10 diphtheria toxin, *Clostridium perfringens* phospholipase C, bovine pancreatic ribonuclease, pokeweed antiviral protein, abrin, abrin A chain, cobra venom factor, gelonin, saporin, modeccin, viscumin, volkensin, alkaline phosphatase, nitroimidazole, metronidazole and misonidazole.

15 8. The compound of claim 1 wherein said an active moiety is selected from the group consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabioside, cis-platin, vindesine, mitomycin and bleomycin, alkaline phosphatase, ricin A chain, *Pseudomonas* exotoxin and diphtheria toxin.

20 9. The compound of claim 1 wherein:

a) said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54; and

b) said an active moiety is selected from the group  
25 consisting of: methotrexate, doxorubicin, daunorubicin, cytosinarabioside, cis-platin, vindesine, mitomycin and bleomycin, alkaline phosphatase, ricin A chain, *Pseudomonas* exotoxin and diphtheria toxin.

10. A pharmaceutical composition comprising:

30 a) a pharmaceutically acceptable carrier or diluent, and,

b) a conjugated compound according to claim 1.

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11. A method of treating an individual suspected of suffering from metastasized colorectal cancer comprising the steps of administering to said individual a pharmaceutical composition according to claim 10.
- 5 12. A pharmaceutical composition comprising:  
a) a pharmaceutically acceptable carrier or diluent,  
and,  
b) conjugated compound comprising:  
i) a ST receptor binding moiety; and,  
10 ii) an active moiety;  
wherein said active moiety is a radioactive agent and said conjugated compound is present in an amount effective for therapeutic or diagnostic use in a humans suffering from colorectal cancer.
- 15 13. The pharmaceutical composition of claim 12 wherein said active moiety is selected from the group consisting of:  $^{47}\text{Sc}$ ,  $^{67}\text{Cu}$ ,  $^{90}\text{Y}$ ,  $^{109}\text{Pd}$ ,  $^{123}\text{I}$ ,  $^{125}\text{I}$ ,  $^{131}\text{I}$ ,  $^{186}\text{Re}$ ,  $^{188}\text{Re}$ ,  $^{199}\text{Au}$ ,  $^{211}\text{At}$ ,  $^{212}\text{Pb}$ ,  $^{212}\text{B}$ ,  $^{32}\text{P}$  and  $^{33}\text{P}$ ,  $^{71}\text{Ge}$ ,  $^{77}\text{As}$ ,  $^{103}\text{Pb}$ ,  $^{105}\text{Rh}$ ,  $^{111}\text{Ag}$ ,  $^{119}\text{Sb}$ ,  $^{121}\text{Sn}$ ,  $^{131}\text{Cs}$ ,  $^{143}\text{Pr}$ ,  $^{161}\text{Tb}$ ,  $^{177}\text{Lu}$ ,  $^{191}\text{Os}$ ,  $^{193}\text{Pt}$  and  $^{197}\text{Hg}$ .
- 20 14. The pharmaceutical composition of claim 12 wherein said active moiety is selected from the group consisting of:  $^{43}\text{K}$ ,  $^{52}\text{Fe}$ ,  $^{57}\text{Co}$ ,  $^{67}\text{Cu}$ ,  $^{67}\text{Ga}$ ,  $^{68}\text{Ga}$ ,  $^{77}\text{Br}$ ,  $^{81}\text{Rb}/^{81\text{M}}\text{Kr}$ ,  $^{87\text{M}}\text{Sr}$ ,  $^{99\text{M}}\text{Tc}$ ,  $^{111}\text{In}$ ,  $^{113\text{M}}\text{In}$ ,  $^{123}\text{I}$ ,  $^{125}\text{I}$ ,  $^{127}\text{Cs}$ ,  $^{129}\text{Cs}$ ,  $^{131}\text{I}$ ,  $^{132}\text{I}$ ,  $^{197}\text{Hg}$ ,  $^{203}\text{Pb}$  and  $^{206}\text{Bi}$ .
15. The pharmaceutical composition of claim 12 wherein  
25 said ST receptor binding moiety is a peptide.
16. The pharmaceutical composition of claim 12 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NOS:5-54 and fragments and derivatives thereof.
- 30 17. The pharmaceutical composition of claim 12 wherein said ST receptor binding moiety is selected from the group

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consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54.

18. The pharmaceutical composition of claim 12 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54. said active moiety is selected from the group consisting of:  $^{47}\text{Sc}$ ,  $^{67}\text{Cu}$ ,  $^{90}\text{Y}$ ,  $^{109}\text{Pd}$ ,  $^{123}\text{I}$ ,  $^{125}\text{I}$ ,  $^{131}\text{I}$ ,  $^{186}\text{Re}$ ,  $^{188}\text{Re}$ ,  $^{199}\text{Au}$ ,  $^{211}\text{At}$ ,  $^{212}\text{Pb}$ ,  $^{212}\text{Bi}$ ,  $^{32}\text{P}$  and  $^{33}\text{P}$ ,  $^{71}\text{Ge}$ ,  $^{77}\text{As}$ ,  $^{103}\text{Pb}$ ,  $^{105}\text{Rh}$ ,  $^{111}\text{Ag}$ ,  $^{119}\text{Sb}$ ,  $^{121}\text{Sn}$ ,  $^{131}\text{Cs}$ ,  $^{143}\text{Pr}$ ,  $^{161}\text{Tb}$ ,  $^{177}\text{Lu}$ ,  $^{191}\text{Os}$ ,  $^{193}\text{Pt}$  and  $^{197}\text{Hg}$ .
19. The pharmaceutical composition of claim 12 wherein said ST receptor binding moiety is selected from the group consisting of: SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:54.  $^{43}\text{K}$ ,  $^{52}\text{Fe}$ ,  $^{57}\text{Co}$ ,  $^{67}\text{Cu}$ ,  $^{67}\text{Ga}$ ,  $^{68}\text{Ga}$ ,  $^{77}\text{Br}$ ,  $^{81}\text{Rb}/^{81}\text{Kr}$ ,  $^{87}\text{Sr}$ ,  $^{99\text{m}}\text{Tc}$ ,  $^{111}\text{In}$ ,  $^{113\text{m}}\text{In}$ ,  $^{123}\text{I}$ ,  $^{125}\text{I}$ ,  $^{127}\text{Cs}$ ,  $^{129}\text{Cs}$ ,  $^{131}\text{I}$ ,  $^{132}\text{I}$ ,  $^{197}\text{Hg}$ ,  $^{203}\text{Pb}$  and  $^{206}\text{Bi}$ .

20. A method of radioimaging metastasized colorectal cancer cells comprising the steps of administering to an individual a pharmaceutical composition comprising:

- a) a pharmaceutically acceptable carrier or diluent,
- and,
- b) conjugated compound comprising:
- i) a ST receptor binding moiety; and,
- ii) an active moiety;

wherein said active moiety is a radioactive agent and said conjugated compound is present in an amount effective for diagnostic use in a humans suffering from colorectal cancer.

21. A method of treating an individual suspected of suffering from metastasized colorectal cancer comprising the steps of administering to said individual a pharmaceutical composition comprising:

- a) a pharmaceutically acceptable carrier or diluent,
- and,
- b) conjugated compound comprising:

- i) a ST receptor binding moiety; and,
- ii) an active moiety;

wherein said active moiety is a radiostable agent or  
radioactive agent and said conjugated compound is present in an  
5 amount effective for therapeutic or diagnostic use in a humans  
suffering from colorectal cancer.

22. A method of delivery a nucleic acid molecule to intestinal tract cells of an individual comprising the steps of administering to said individual a pharmaceutical composition  
10 comprising:

a) a pharmaceutically acceptable carrier or diluent,  
and,

b) a composition comprising:

- 15                    i)    a ST receptor ligand; and,  
                      ii)    a nucleic acid molecule.

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